

**APPARATUS AND METHOD FOR TREATING TUMORS
NEAR THE SURFACE OF AN ORGAN**

ABSTRACT OF THE DISCLOSURE

A system for treating a target region in tissue beneath a tissue surface

5 comprises a probe for deploying an electrode array within the tissue and a surface electrode
for engaging the tissue surface above the treatment site. Preferably, surface electrode
includes a plurality of tissue-penetrating elements which advance into the tissue, and the
surface electrode is removably attachable to the probe. The tissue may be treated in a
monopolar fashion where the electrode array and surface electrode are attached to a common
10 pole on an electrode surgical power supply and powered simultaneously or successively, or in
a bipolar fashion where the electrode array and surface electrode are attached to opposite
poles of the power supply. The systems are particularly useful for treating tumors and other
tissue treatment regions which lie near the surface.

15 PA 3138901 v1